

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Dougherty et al.

Application No. 09/595,580

Filed: June 15, 2000

For: QUANTIFYING GENE RELATEDNESS VIA
NONLINEAR PREDICTION OF GENE
EXPRESSION LEVELS

Examiner: Jerry Lin

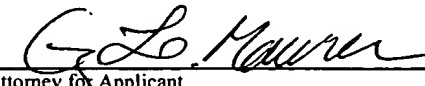
Date: November 2, 2001



Art Unit: 1631

CERTIFICATE OF MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service on November 2, 2001 as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231.


Attorney for Applicant

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AMENDMENT

In response to the Office Action dated July 2, 2001, Paper No. 6, please amend the above-referenced Application as follows:

In the Drawings:

Please amend FIG. 6 as shown in the marked up copy of FIG. 6 submitted herewith.

In the Claims:

Please cancel claims 55-60 without prejudice.

Please amend claims 1, 50, and 54 as follows:

1. **(Amended)** A computer-implemented method for quantifying gene relatedness for a plurality of candidate genes for which a plurality of gene expression level observations have been collected, the method comprising:

for a plurality of selected permutations of the plurality of candidate genes, performing

(a)-(c):

(a) based on data comprising the plurality of gene expression level observations for the plurality of candidate genes, constructing a nonlinear model predicting gene expression for the permutation of the plurality of candidate genes;

(b) predicting gene expression with the nonlinear model; and

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G.L. Mauer
Attorney for Applicant

TRANSMITTAL LETTER

COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

Enclosed is an Amendment for the above application. The fee has been calculated as shown below.

CLAIMS AS AMENDED

For	No. after amendment	No. paid for previously	Present Extra	Rate	Fee
Total Claims	59	- 61*	= 0	\$18.00	\$ 0.00
Indep. Claims	10	10**	= 0	\$84.00	\$ 0.00
Mult. Dep. Claims Fee (if not previously paid)				\$280.00	
One-month Extension of Time				\$110.00	\$110.00
Two-month Extension of Time				\$400.00	
Three-month Extension of Time				\$920.00	
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$110.00

* greater of twenty or number for which fee has been paid.

** greater of three or number for which fee has been paid.

- ☒ Applicants petition for an extension of time for the number of months indicated above. If an additional extension of time is required please consider this a petition therefor.
- ☒ A check in the amount of \$110.00 is attached.
- ☒ Please charge any additional fees that may be required in connection with filing this amendment and any extension of time, or credit any overpayment, to Deposit Account No. 02-4550. A copy of this sheet is enclosed.

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PATENT

Attorney Reference Number 4239-54279

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- ☒ A Marked-up Version of Amended Claims Pursuant to 37 C.F.R. §§ 1.121(b)-(c) is attached.
- ☒ Please return the enclosed postcard to confirm that the items listed above have been received.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

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